Third United Nations International Conference on the Peaceful Uses of Atomic Energy

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Abstract

The Role of Radioisotope Techniques in Hydrology

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Radioisotope techniques are already established as tools for investigating hydrological phenomena. The different uses are reviewed and examples cited of their application. Some of these techniques are now at the stage where widespread application is justified, particularly in the evaluation of groundwater resources.

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Abstract

3. Use of tracers and large radiation sources in agriculture

Prepared jointly by the IAEA and FAO

The paper outlines some agricultural problems which can most easily be solved by the use of tracer techniques and irradiation . It reviews some of the major developments in this field which have taken place since the 2nd Geneva Conference in 1958. It shows by examples some typical modern applications of these techniques in agricultural research and production.

It also deals with some of the more significant results obtained by the use of tracers and irradiation. Particular attention is given to the role of research reactors in agricultural research.